ABSTRACT OF THE DISCLOSURE

Proposed is a novel soluble trauma-healing and hemostatic cellulose fiber capable of absorbing and readily dissolving hemorrhaging trauma loci when applied thereto and of promoting the hemostatic action of blood platelets and fibrin and cell adhesion to the trauma site. The coagulation protein-containing soluble trauma-healing and hemostatic cellulose fiber is produced in that after treatment of a natural or regenerated cellulose fiber with an aqueous sodium hydroxide solution, said fiber is carboxymethylated by reaction with a monochloro acetic acid solution for a given time (hours) in such a manner that the degree of partial substitution of the glucose units constituting the cellulose molecule (etherification degree) is 0.5 - less than 1.0% and that, furthermore, the coagulation proteins fibrinogen, thrombin, and coagulation factor XIII are imparted by surface application or chemical bonding.